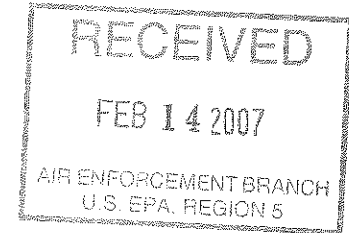


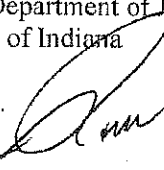
February 9, 2007

Sent via Electronic Mail



**MEMORANDUM**

To: Service List (attached)  
USEPA, Underground Injection Control Branch (WU-16J)  
Alan Tenenbaum, U.S. Department of Justice  
Mary Ann Habeeb, State of Indiana

From: Ronald E. Hutchens, P.E. 

Subject: Progress Report No. 177  
January 1 through January 31, 2007  
Remedial Design/Remedial Action  
Midco I and II Sites, Gary, Indiana

**PROGRESS TOWARD IMPLEMENTING THE CONSENT DECREE**

- Continued operation of the Midco I and II Sites' ground water extraction and treatment systems (GWETS) and injection of treated ground water.
- Collected the monthly effluent samples from the Midco I and II Sites' ground water treatment system (GWTS) on January 16, 2007.
- Submitted the Quarterly Operations, Maintenance, Monitoring, and Closure Progress Report No. 3 for the Midco II soil vapor extraction/air sparge (SVE/AS) system to the USEPA in a letter dated January 10, 2007.
- Received email communication from the USEPA on January 30, 2007 regarding review comments on Progress Report No. 3 for the Midco II Site's SVE/AS system.
- Continued operations of the Midco I Site's SVE system and the Midco II Site's SVE/AS system. Monthly monitoring of the Midco I Site's SVE system and quarterly monitoring of the Midco II Site's SVE/AS system was performed the week of January 22, 2007.

**MIDCO DEEP INJECTION WELL OPERATING CONDITIONS**

- The daily maximum injection pressure, sight glass levels, and minimum differential between injection pressure and annulus pressure are summarized in Table I. The operating flow rates at the Midco I and Midco II Sites' GWTS are presented on Figures 1 and 2, respectively. The daily maximum injection pressures and flow rates are presented on Figure 3. The daily sight glass levels are shown on Figure 4.
- Total volume of treated water injected:

|               | Midco I Site | Midco II Site | Deep Well Site |
|---------------|--------------|---------------|----------------|
| January       | 1,181,375    | 2,150,125     | 3,331,500      |
| Year-to-Date  | 1,181,375    | 2,150,125     | 3,331,500      |
| Total-to-Date | 118,242,464  | 169,143,536   | 287,386,000    |

March 9, 2007

Sent via Electronic Mail

**MEMORANDUM**

To: Service List (attached)  
USEPA, Underground Injection Control Branch (WU-16J)  
Alan Tenenbaum, U.S. Department of Justice  
Mary Ann Habeeb, State of Indiana

From: Ronald E. Hutchens, P.E.

*B. Longtin for R. Hutchens*

Subject: Progress Report No. 178  
February 1 through February 28, 2007  
Remedial Design/Remedial Action  
Midco I and II Sites, Gary, Indiana

**PROGRESS TOWARD IMPLEMENTING THE CONSENT DECREE**

- Continued operation of the Midco I and II Sites' ground water extraction and treatment systems (GWETS) and injection of treated ground water.
- Collected the monthly effluent samples from the Midco I and II Sites' ground water treatment systems (GWTS) on February 22, 2007.
- Received email communication from the USEPA on February 15, 2007 regarding concerns about the annual vapor monitoring point (VMP) sampling events for the Midco I soil vapor extraction (SVE) system and Midco II soil vapor extraction/air sparging (SVE/AS) system.
- Sent email response to the USEPA on February 16, 2007 stating that, in light of USEPA's concerns, ENVIRON will postpone the annual VMP sampling event until October 2007 for the Midco I SVE system and Midco II SVE/AS system.
- Continued operations of the Midco I SVE system and the Midco II SVE/AS system. Monthly monitoring of the Midco I SVE system and quarterly monitoring of the Midco II SVE/AS system was performed the week of February 19, 2007.

**MIDCO DEEP INJECTION WELL OPERATING CONDITIONS**

- The daily maximum injection pressure, sight glass levels, and minimum differential between injection pressure and annulus pressure are summarized in Table 1. The operating flow rates at the Midco I and Midco II Sites' GWTS are presented on Figures 1 and 2, respectively. The daily maximum injection pressures and flow rates are presented on Figure 3. The daily sight glass levels are shown on Figure 4.
- Total volume of treated water injected:

|               | Midco I Site | Midco II Site | Deep Well Site |
|---------------|--------------|---------------|----------------|
| February      | 1,156,086    | 1,653,114     | 2,809,200      |
| Year-to-Date  | 2,337,461    | 3,803,239     | 6,140,700      |
| Total-to-Date | 119,398,550  | 170,796,650   | 290,195,200    |

April 10, 2007

**MEMORANDUM**

To: Service List (attached)  
USEPA, Underground Injection Control Branch (WU-16J)  
Alan Tenenbaum, U.S. Department of Justice  
Mary Ann Habeeb, State of Indiana

From: Ronald E. Hutchens, P.E. *Brian Conklin for REH*

Subject: Progress Report No. 179  
March 1 through March 31, 2007  
Remedial Design/Remedial Action  
Midco I and II Sites, Gary, Indiana

**PROGRESS TOWARD IMPLEMENTING THE CONSENT DECREE**

- Continued operation of the Midco I and II Sites' ground water extraction and treatment systems (GWETS) and injection of treated ground water.
- Collected the annual influent and effluent samples from the Midco I and II Sites' ground water treatment systems (GWTS) on March 8, 2007.
- Received email communication from the USEPA on March 29, 2007, including IDEM's comments concerning Progress Report No. 3 for the Midco I Site's SVE system and ENVIRON's February 26, 2007 letter regarding the request to shut down the regenerative thermal oxidizer at Midco II.
- Continued operations of the Midco I SVE system and the Midco II SVE/AS system. Monthly monitoring of the Midco I SVE system and the Midco II SVE/AS system was performed on March 29, 2007.

**MIDCO DEEP INJECTION WELL OPERATING CONDITIONS**

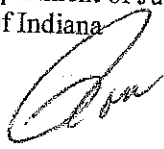
- The daily maximum injection pressure, sight glass levels, and minimum differential between injection pressure and annulus pressure are summarized in Table 1. The operating flow rates at the Midco I and Midco II Sites' GWTS are presented on Figures 1 and 2, respectively. The daily maximum injection pressures and flow rates are presented on Figure 3. The daily sight glass levels are shown on Figure 4.
- Total volume of treated water injected:

|               | Midco I Site | Midco II Site | Deep Well Site |
|---------------|--------------|---------------|----------------|
| March         | 1,320,137    | 2,092,063     | 3,412,200      |
| Year-to-Date  | 3,657,598    | 5,895,302     | 9,552,900      |
| Total-to-Date | 120,718,687  | 172,888,713   | 293,607,400    |

May 10, 2007

**MEMORANDUM**

To: Service List (attached)  
USEPA, Underground Injection Control Branch (WU-16J)  
Alan Tenenbaum, U.S. Department of Justice  
Mary Ann Habeeb, State of Indiana

From: Ronald E. Hutchens, P.E. 

Subject: Progress Report No. 180  
April 1 through April 30, 2007  
Remedial Design/Remedial Action  
Midco I and II Sites, Gary, Indiana

**PROGRESS TOWARD IMPLEMENTING THE CONSENT DECREE**

- Continued operation of the Midco I and II Sites' ground water extraction and treatment systems (GWETS) and injection of treated ground water.
- Collected the monthly effluent samples from the Midco I and II Sites' ground water treatment systems (GWTS) on April 18, 2007.
- Submitted a response in an April 18, 2007 letter to the USEPA regarding ENVIRON's request to shut down the regenerative thermal oxidizer at Midco II.
- Submitted the Quarterly Operations, Maintenance, Monitoring, and Closure Progress Report No. 4 for the Midco II soil vapor extraction/air sparge (SVE/AS) system to the USEPA in a letter dated April 12, 2007.
- Annual ground water sampling was performed at the Midco II Site the week of April 23, 2007.
- Continued operations of the Midco I SVE system and the Midco II SVE/AS system. Monthly monitoring of the Midco I SVE system was performed on April 30, 2007, and quarterly monitoring of the Midco II SVE/AS system was performed on April 30 and May 1, 2007.

**MIDCO DEEP INJECTION WELL OPERATING CONDITIONS**

- The daily maximum injection pressure, sight glass levels, and minimum differential between injection pressure and annulus pressure are summarized in Table 1. The operating flow rates at the Midco I and Midco II Sites' GWTS are presented on Figures 1 and 2, respectively. The daily maximum injection pressures and flow rates are presented on Figure 3. The daily sight glass levels are shown on Figure 4.
- Total volume of treated water injected:

|               | Midco I Site | Midco II Site | Deep Well Site |
|---------------|--------------|---------------|----------------|
| April         | 1,293,341    | 2,201,259     | 3,494,600      |
| Year-to-Date  | 4,950,939    | 8,096,561     | 13,047,500     |
| Total-to-Date | 122,012,028  | 175,089,972   | 297,102,000    |

June 8, 2007

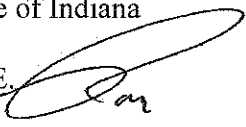
RECEIVED

Sent via Electronic Mail

JUN 11 2007

UIC BRANCH  
EPA REGION 5**MEMORANDUM**

To: Service List (attached)  
USEPA, Underground Injection Control Branch (WU-16J)  
Alan Tenenbaum, U.S. Department of Justice  
Mary Ann Habeeb, State of Indiana

From: Ronald E. Hutchens, P.E. 

Subject: Progress Report No. 181  
May 1 through May 31, 2007  
Remedial Design/Remedial Action  
Midco I and II Sites, Gary, Indiana

**PROGRESS TOWARD IMPLEMENTING THE CONSENT DECREE**

- Continued operation of the Midco I and II Sites' ground water extraction and treatment systems (GWETS) and injection of treated ground water.
- Submitted a revised request in a letter to the USEPA, dated May 1, 2007, to shut down the hydrogen peroxide/ultraviolet light (HP/UV) systems at the Midco I and Midco II Sites.
- Received a response letter from the USEPA, dated May 3, 2007, regarding ENVIRON's request to shut down the regenerative thermal oxidizer (RTO) at the Midco II Site.
- Received a response letter from the USEPA dated May 7, 2007, regarding ENVIRON's request to shut down the HP/UV systems at the Midco I and Midco II Sites.
- Submitted revised Tables 22 through 26 for the Midco I Construction Completion Report in a letter to the USEPA, dated May 9, 2007.
- Submitted the Quarterly Operations, Maintenance, Monitoring, and Closure Progress Report No. 4 for the Midco I soil vapor extraction (SVE) system to the USEPA with a cover letter dated May 11, 2007.
- Shut down the RTO with USEPA approval and began photoionization detector (PID) monitoring at the RTO outlet on May 15, 2007.
- Collected the monthly effluent samples from the Midco I and II Sites' ground water treatment systems (GWTS) on May 22, 2007.

- Continued operations of the Midco I SVE system and the Midco II Soil Vapor Extraction/Air Sparging (SVE/AS) system. Quarterly monitoring of the Midco I SVE system was performed on May 29 and 30, 2007, and monthly monitoring of the Midco II SVE/AS system was performed on May 29, 2007.

#### MIDCO DEEP INJECTION WELL OPERATING CONDITIONS

- The daily maximum injection pressure, sight glass levels, and minimum differential between injection pressure and annulus pressure are summarized in Table 1. The operating flow rates at the Midco I and Midco II Sites' GWTS are presented on Figures 1 and 2, respectively. The daily maximum injection pressures and flow rates are presented on Figure 3. The daily sight glass levels are shown on Figure 4.
- Total volume of treated water injected:

|               | Midco I Site | Midco II Site | Deep Well Site |
|---------------|--------------|---------------|----------------|
| May           | 1,253,732    | 2,248,368     | 3,502,100      |
| Year-to-Date  | 6,204,671    | 10,344,929    | 16,549,600     |
| Total-to-Date | 123,265,760  | 177,338,340   | 300,604,100    |

- Annulus system fluid removals - None
- Annulus system fluid additions - None
- Noncompliance occurrences - None

#### SYSTEM SHUTDOWNS

- Details of the Midco I and Midco II Sites' non-GWETS-related shutdowns, and the scheduled and non-scheduled GWETS-related shutdowns are summarized in Table 2.
- The Midco I Site had no non-GWETS-related shutdowns. The Midco II Site had one non-GWETS-related shutdown. A power failure occurred on May 5, 2007 at 4:19 P.M. for 1,121 minutes.

#### SAMPLING AND TEST RESULTS

- The analytical results for the quarterly influent and annual effluent samples collected on March 8, 2007 at the Midco I and II Sites, were received from the data validator on May 2, 2007. The validated analytical results are presented in Tables 3 through 10. The detected concentrations in the effluent samples were below the required maximum allowable concentrations (MACs), except for cis-1,3-dichloropropene in the combined flow sample. This analyte was detected at an estimated concentration of 1.3 micrograms per liter ( $\mu\text{g/L}$ ), slightly above its MAC of 1.26  $\mu\text{g/L}$ . The cis-1,3-dichloropropene concentrations in the Midco I and Midco II effluent samples were below the MAC. In the Midco I effluent sample, cis-1,3-dichloropropene was not detected at or above 1.3  $\mu\text{g/L}$ ; in the Midco I effluent duplicate sample, it was detected in a blank at a similar level as

RECEIVED

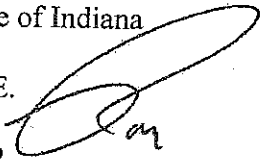
JUL 11 2007

UIC BRANCH  
EPA REGION 5

July 9, 2007

## MEMORANDUM

To: Service List (attached)  
USEPA, Underground Injection Control Branch (WU-16J)  
Alan Tenenbaum, U.S. Department of Justice  
Mary Ann Habeeb, State of Indiana

From: Ronald E. Hutchens, P.E. 

Subject: Progress Report No. 182  
June 1 through June 30, 2007  
Remedial Design/Remedial Action  
Midco I and II Sites, Gary, Indiana

## PROGRESS TOWARD IMPLEMENTING THE CONSENT DECREE

- Continued operation of the Midco I and II Sites' ground water extraction and treatment systems (GWETS) and injection of treated ground water.
- Submitted the Annual Operations, Maintenance, Monitoring, and Closure (OMM&C) Report No. 1 for the Midco II Soil Vapor Extraction/Air Sparging (SVE/AS) system to the USEPA with a cover letter dated June 8, 2007.
- Collected the quarterly influent and effluent samples from the Midco I and II Sites' ground water treatment systems (GWTS) on June 21, 2007.
- Email communication was received from the USEPA on June 25, 2007, regarding concerns about the soil vapor extraction (SVE) systems, including a letter from IDEM, dated June 22, 2007, concerning the Midco I SVE Quarterly OMM&C Progress Report No. 4.
- Submitted the Quarterly OMM&C Progress Report No. 5 for the Midco II SVE/AS system to the USEPA with a cover letter dated June 27, 2007.
- Continued operations of the Midco I SVE system and the Midco II SVE/AS system. Monthly monitoring of the Midco I SVE system was performed on June 27, 2007; monthly monitoring of the Midco II SVE/AS system was not performed.

## MIDCO DEEP INJECTION WELL OPERATING CONDITIONS

- The daily maximum injection pressure, sight glass levels, and minimum differential between injection pressure and annulus pressure are summarized in Table 1. The operating flow rates at the Midco I and Midco II Sites' GWTS are presented on Figures 1 and 2, respectively. The daily maximum injection pressures and flow rates are presented on Figure 3. The daily sight glass levels are shown on Figure 4.
- Total volume of treated water injected:

|               | Midco I Site | Midco II Site | Deep Well Site |
|---------------|--------------|---------------|----------------|
| June          | 1,229,409    | 1,976,691     | 3,206,100      |
| Year-to-Date  | 7,434,080    | 12,321,620    | 19,755,700     |
| Total-to-Date | 124,495,169  | 179,315,031   | 303,810,200    |

- Annulus system fluid removals - None
- Annulus system fluid additions - None
- Noncompliance occurrences - None

## SYSTEM SHUTDOWNS

- Details of the Midco I and Midco II Sites' non-GWETS-related shutdowns, and the scheduled and non-scheduled GWETS-related shutdowns are summarized in Table 2.
- The Midco I Site had three non-GWETS-related shutdowns. Power failures occurred on June 1, 2007 at 6:39 A.M. for 31 minutes; on June 24, 2007 at 4:42 P.M. for 55 minutes; and on June 24, 2007 at 6:07 P.M. for 803 minutes. The Midco II Site had four non-GWETS-related shutdowns. A power failure occurred on June 1, 2007 at 6:39 A.M. for 29 minutes; vandalism caused a shutdown on June 21, 2007 at 3:42 A.M. for 413 minutes; a power failure occurred on June 24, 2007 at 4:42 P.M. for 78 minutes; and a power failure occurred on June 24, 2007 at 6:07 P.M. for 1,005 minutes.

## SAMPLING AND TEST RESULTS

- The analytical results for the monthly effluent samples collected on April 18, 2007 at the Midco I and II Sites, were received from the data validator on June 8, 2007. The validated analytical results are presented in Tables 3 and 4. The effluent samples met the required Maximum Allowable Concentrations (MACs).
- The analytical results for the monthly effluent samples collected on May 22, 2007 at the Midco I and II Sites, were received from the data validator on June 18, 2007. The validated analytical results are presented in Tables 5 and 6. The effluent samples met the required MACs.



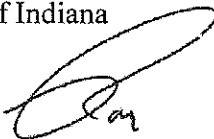
August 9, 2007

RECEIVED

AUG 13 2007

UIC BRANCH  
EPA REGION 5**MEMORANDUM**

To: Service List (attached)  
USEPA, Underground Injection Control Branch (WU-16J)  
Alan Tenenbaum, U.S. Department of Justice  
Mary Ann Habeeb, State of Indiana

From: Ronald E. Hutchens, P.E. 

Subject: Progress Report No. 183  
July 1 through July 31, 2007  
Remedial Design/Remedial Action  
Midco I and II Sites, Gary, Indiana

**PROGRESS TOWARD IMPLEMENTING THE CONSENT DECREE**

- Continued operation of the Midco I and II Sites' ground water extraction and treatment systems (GWETS) and injection of treated ground water.
- Email communication was received from the United States Environmental Protection Agency (USEPA) on July 3, 2007, regarding dewatering at the Gary-Chicago Airport.
- Email communications were received from the USEPA on July 9, 2007, containing Indiana Department of Environmental Management's (IDEM's) attached comments regarding the Midco II Soil Vapor Extraction/Air Sparging (SVE/AS) Quarterly OMM&C Progress Report No. 4 and the Midco II SVE/AS Annual OMM&C Report No. 1.
- Email communication was received from the USEPA on July 16, 2007, regarding capture zone modeling at the Midco II Site and drawdown at the Midco I Site, as follow-up to a conference call.
- ENVIRON submitted an email response to the USEPA on July 16, 2007, regarding drawdown at the Midco I Site.
- An email response to ENVIRON's July 16, 2007 email regarding drawdown at the Midco I Site was received from the USEPA on July 16, 2007.
- Collected the monthly effluent samples from the Midco I and II Sites' ground water treatment systems (GWTS) on July 18, 2007.

- Dewatering at the Gary-Chicago Airport continued through the month of July. Deep dewatering was discontinued on July 18, 2007; shallow dewatering continued. Regular depth-to-water measurements were recorded at nine monitoring locations in the monitoring network.
- Continued operation of the Midco I Soil Vapor Extraction (SVE) system. The Midco II SVE/AS system remains off-line pending repairs needed as a result of the June 21, 2007 site vandalism.
- Ten vapor monitoring point air samples were collected at the Midco II Site on July 30 and 31, 2007. Partial quarterly monitoring of the Midco II SVE/AS system was begun on July 30, 2007.

#### MIDCO DEEP INJECTION WELL OPERATING CONDITIONS

- The daily maximum injection pressure, sight glass levels, and minimum differential between injection pressure and annulus pressure are summarized in Table 1. The operating flow rates at the Midco I and Midco II Sites' GWTS are presented on Figures 1 and 2, respectively. The daily maximum injection pressures and flow rates are presented on Figure 3. The daily sight glass levels are shown on Figure 4.
- Total volume of treated water injected:

|               | Midco I Site | Midco II Site | Deep Well Site |
|---------------|--------------|---------------|----------------|
| July          | 1,254,445    | 2,071,355     | 3,325,800      |
| Year-to-Date  | 8,688,525    | 14,392,975    | 23,081,500     |
| Total-to-Date | 125,749,614  | 181,386,386   | 307,136,000    |

- Annulus system fluid removals - None
- Annulus system fluid additions - None
- Noncompliance occurrences - None

#### SYSTEM SHUTDOWNS

- Details of the Midco I and Midco II Sites' non-GWETS-related shutdowns, and the scheduled and non-scheduled GWETS-related shutdowns are summarized in Table 2.
- The Midco I and Midco II Sites had no non-GWETS-related shutdowns.

#### SAMPLING AND TEST RESULTS

- No analytical results were received during the month of July.

#### PLANS AND PROCEDURES COMPLETED UNDER THE RD/RA PROJECT PLAN

- None during this reporting period.

September 10, 2007

Sent via Electronic Mail and USPS

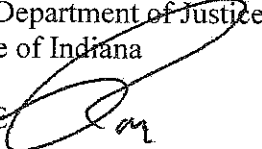
RECEIVED

SEP 14 2007

UIC BRANCH  
EPA REGION 5

**MEMORANDUM**

To: Service List (attached)  
USEPA, Underground Injection Control Branch (WU-16J)  
Alan Tenenbaum, U.S. Department of Justice  
Mary Ann Habeeb, State of Indiana

From: Ronald E. Hutchens, P.E. 

Subject: Progress Report No. 184  
August 1 through August 31, 2007  
Remedial Design/Remedial Action  
Midco I and II Sites, Gary, Indiana

**PROGRESS TOWARD IMPLEMENTING THE CONSENT DECREE**

- Continued operation of the Midco I and II Sites' ground water extraction and treatment systems (GWETS) and injection of treated ground water.
- Submitted the Annual Operations, Maintenance, Monitoring, and Closure (OMM&C) Report No. 1 for the Midco I Soil Vapor Extraction (SVE) system to the USEPA with a cover letter dated August 9, 2007.
- Submitted the Quarterly OMM&C Progress Report No. 5 for the Midco I SVE system to the USEPA with a cover letter dated August 13, 2007.
- Submitted the 2007 Annual Ground Water Monitoring Report for the Midco II Site to the USEPA with a cover letter dated August 28, 2007.
- Collected the monthly effluent samples from the Midco I and II Sites' ground water treatment systems (GWTS) on August 28, 2007.
- Continued operation of the Midco I SVE system. Monthly monitoring of the Midco I SVE system for the month of July was performed on August 1, 2007; quarterly monitoring for the Midco I SVE system was performed on August 29, 2007.
- The Midco II SVE/AS system remains off-line pending repairs needed as a result of the June 21, 2007 site vandalism. Monthly monitoring of the Midco II Soil Vapor Extraction/Air Sparging (SVE/AS) system was not performed.

## MIDCO DEEP INJECTION WELL OPERATING CONDITIONS

- The daily maximum injection pressure, sight glass levels, and minimum differential between injection pressure and annulus pressure are summarized in Table 1. The operating flow rates at the Midco I and Midco II Sites' GWTS are presented on Figures 1 and 2, respectively. The daily maximum injection pressures and flow rates are presented on Figure 3. The daily sight glass levels are shown on Figure 4.
- Total volume of treated water injected:

|               | Midco I Site | Midco II Site | Deep Well Site |
|---------------|--------------|---------------|----------------|
| August        | 1,061,421    | 1,334,279     | 2,395,700      |
| Year-to-Date  | 9,749,946    | 15,727,254    | 25,477,200     |
| Total-to-Date | 126,811,035  | 182,720,665   | 309,531,700    |

- Annulus system fluid removals - None
- Annulus system fluid additions - None
- Noncompliance occurrences - None

## SYSTEM SHUTDOWNS

- Details of the Midco I and Midco II Sites' non-GWETS-related shutdowns, and the scheduled and non-scheduled GWETS-related shutdowns are summarized in Table 2.
- The Midco I Site had four non-GWETS-related shutdowns. Power failures occurred on August 15 at 8:41 p.m. for 619 minutes; on August 23 at 1:17 a.m. for 343 minutes; on August 23 at 11:19 a.m. for 36 minutes; and on August 23, 2007 at 3:41 p.m. for 5,659 minutes. The Midco II Site had four non-GWETS-related shutdowns. Power failures occurred on August 15 at 8:41 p.m. for 8,264 minutes; on August 23 at 1:16 a.m. for 349 minutes; on August 23 at 11:19 a.m. for 34 minutes; and on August 23, 2007 at 3:42 p.m. for 5,683 minutes.

## SAMPLING AND TEST RESULTS

- The analytical results for the quarterly effluent samples collected on June 21, 2007 at the Midco I and II Sites, were received from the data validator on August 6, 2007. The validated analytical results are presented in Tables 3 through 10. The effluent samples met the required Maximum Allowable Concentrations (MACs).
- The analytical results for the monthly effluent samples collected on July 18, 2007 at the Midco I and II Sites, were received from the data validator on August 6, 2007. The validated analytical results are presented in Tables 11 and 12. The effluent samples met the required MACs.

RECEIVED

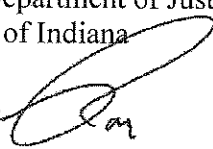
October 9, 2007

OCT 11 2007

UIC BRANCH  
EPA REGION 5

**MEMORANDUM**

To: Service List (attached)  
USEPA, Underground Injection Control Branch (WU-16J)  
Alan Tenenbaum, U.S. Department of Justice  
Mary Ann Habeeb, State of Indiana

From: Ronald E. Hutchens, P.E. 

Subject: Progress Report No. 185  
September 1 through September 30, 2007  
Remedial Design/Remedial Action  
Midco I and II Sites, Gary, Indiana

**PROGRESS TOWARD IMPLEMENTING THE CONSENT DECREE**

- Continued operation of the Midco I and II Sites' ground water extraction and treatment systems (GWETS) and injection of treated ground water.
- Collected the quarterly influent and effluent samples from the Midco I and II Sites' ground water treatment systems (GWTS) on September 20, 2007.
- Continued operation of the Midco I soil vapor extraction (SVE) system. Monthly monitoring of the Midco I SVE system was performed on September 26, 2007.
- The Midco II soil vapor extraction/air sparging (SVE/AS) system remains off-line pending repairs needed as a result of the June 21, 2007 site vandalism. Monthly monitoring of the Midco II SVE/AS system was not performed.
- Submitted to the USEPA a letter dated September 28, 2007 containing August 2007 Analytical Data for Monitoring Well Q-10 at the Midco II Site.

**MIDCO DEEP INJECTION WELL OPERATING CONDITIONS**

- The daily maximum injection pressure, sight glass levels, and minimum differential between injection pressure and annulus pressure are summarized in Table 1. The operating flow rates at the Midco I and Midco II Sites' GWTS are presented on Figures 1 and 2, respectively. The daily maximum injection pressures and flow rates are presented on Figure 3. The daily sight glass levels are shown on Figure 4.

- Total volume of treated water injected:

|               | Midco I Site | Midco II Site | Deep Well Site |
|---------------|--------------|---------------|----------------|
| September     | 1,261,486    | 2,265,214     | 3,526,700      |
| Year-to-Date  | 11,011,432   | 17,992,468    | 29,003,900     |
| Total-to-Date | 128,072,521  | 184,985,879   | 313,058,400    |

- Annulus system fluid removals - None
- Annulus system fluid additions - None
- Noncompliance occurrences - None

#### SYSTEM SHUTDOWNS

- Details of the Midco I and Midco II Sites' non-GWETS-related shutdowns, and the scheduled and non-scheduled GWETS-related shutdowns are summarized in Table 2.
- The Midco I Site had four non-GWETS-related shutdowns. Power failures occurred on September 15 at 1:17 a.m. for 45 minutes; on September 15 at 2:24 a.m. for 26 minutes; on September 15 at 3:49 p.m. for 71 minutes; and on September 20, 2007 at 5:34 a.m. for 34 minutes. The Midco II Site had five non-GWETS-related shutdowns. Power failures occurred on September 15 at 1:16 a.m. for 57 minutes; on September 15 at 3:49 p.m. for 86 minutes; on September 20 at 12:48 a.m. for 32 minutes; on September 20, 2007 at 5:34 a.m. for 46 minutes and on September 22, 2007 at 11:42 a.m. for 50 minutes.

#### SAMPLING AND TEST RESULTS

- No analytical results were received during the month of September.

#### PLANS AND PROCEDURES COMPLETED UNDER THE RD/RA PROJECT PLAN

- None during this reporting period.

#### ACTIVITIES TO BE CONDUCTED DURING OCTOBER 2007

- Continue operation of the Midco I and II Sites' GWETS and injection of treated ground water.
- Continue operation of the Midco I SVE system.
- Begin repairs to the Midco II SVE/AS system.

#### PERCENT OF COMPLETION OF THE RD/RA

- RD/RA Project Plans 100%
- Underground Injection Well Application Package 100%

November 9, 2007

Sent via Electronic Mail and USPS

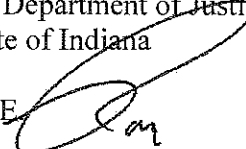
RECEIVED

NOV 15 2007

UIC BRANCH  
EPA REGION 6

**MEMORANDUM**

To: Service List (attached)  
USEPA, Underground Injection Control Branch (WU-16J)  
Alan Tenenbaum, U.S. Department of Justice  
Mary Ann Habeeb, State of Indiana

From: Ronald E. Hutchens, P.E. 

Subject: Progress Report No. 186  
October 1 through October 31, 2007  
Remedial Design/Remedial Action  
Midco I and II Sites, Gary, Indiana

**PROGRESS TOWARD IMPLEMENTING THE CONSENT DECREE**

- Continued operation of the Midco I and II Sites' ground water extraction and treatment systems (GWETS) and injection of treated ground water.
- Submitted to the United States Environmental Protection Agency (USEPA) a letter, dated October 2, 2007, containing the results of the limited soil vapor sampling event at the Midco II Site in July 2007.
- Received a letter, addressed to William Bow of LFR, from the USEPA, dated October 5, 2007, regarding Midco I and Midco II Site issues discussed during a September 12, 2007 meeting.
- Submitted to the USEPA a letter, dated October 5, 2007, with an attached certified copy of the Gary Ground Water Ordinance.
- Submitted to the USEPA a letter, dated October 9, 2007, requesting the temporary suspension of annual vapor monitoring point sampling at the Midco I and Midco II Sites.
- Received a memorandum, dated October 11, 2007, from the USEPA regarding the limited soil vapor sampling event at the Midco II Site in July 2007.
- Received email communication from USEPA on October 15, 2007 regarding the limited soil vapor sampling event at the Midco II Site in July 2007.
- Submitted the Quarterly Operations, Maintenance, Monitoring, and Closure (OMM&C) Progress Report No. 6 for the Midco II soil vapor extraction/air sparge (SVE/AS) system to the USEPA on October 16, 2007.

- Received email communication from USEPA on October 22, 2007 regarding the Midco I and Sites.
- Received email communication from USEPA on October 22, 2007 containing an attached Indiana Department of Environmental Management (IDEM) letter with comments on the Midco I soil vapor extraction (SVE) Quarterly OMM&C Progress Report No. 5.
- Continued operation of the Midco I SVE system. Monthly monitoring of the Midco I SVE system was performed on October 23, 2007.
- The Midco II SVE/AS system remains off-line pending repairs needed as a result of the June 21, 2007 site vandalism. Partial quarterly monitoring of the Midco II SVE/AS system was conducted on October 24 and 25, 2007.
- Collected the monthly effluent samples from the Midco I and II Sites' ground water treatment systems (GWTS) on October 25, 2007.

#### MIDCO DEEP INJECTION WELL OPERATING CONDITIONS

- The daily maximum injection pressure, sight glass levels, and minimum differential between injection pressure and annulus pressure are summarized in Table 1. The operating flow rates at the Midco I and Midco II Sites' GWTS are presented on Figures 1 and 2, respectively. The daily maximum injection pressures and flow rates are presented on Figure 3. The daily sight glass levels are shown on Figure 4.
- Total volume of treated water injected:

|               | Midco I Site | Midco II Site | Deep Well Site |
|---------------|--------------|---------------|----------------|
| October       | 1,157,716    | 1,988,884     | 3,146,600      |
| Year-to-Date  | 12,169,148   | 19,981,352    | 32,150,500     |
| Total-to-Date | 129,230,237  | 186,974,763   | 316,205,000    |

- Annulus system fluid removals - None
- Annulus system fluid additions - None
- Noncompliance occurrences - None

#### SYSTEM SHUTDOWNS

- Details of the Midco I and Midco II Sites' non-GWETS-related shutdowns, and the scheduled and non-scheduled GWETS-related shutdowns are summarized in Table 2.
- The Midco I Site had one non-GWETS-related shutdown. A shutdown occurred for the annual mechanical integrity testing (MIT) on October 2, 2007 at 4:02 p.m. for 4,178 minutes. The Midco II Site had four non-GWETS-related shutdowns. A shutdown occurred for the annual MIT on October 1, 2007 at 11:50 a.m. for 5,900 minutes. Power failures occurred on October 7 at 2:17 a.m. for 83 minutes;



December 7, 2007

Sent via Electronic Mail and USPS

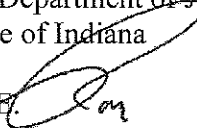
RECEIVED

DEC 12 2007

UIC BRANCH  
EPA REGION 5

**MEMORANDUM**

To: Service List (attached)  
USEPA, Underground Injection Control Branch (WU-16J)  
Alan Tenenbaum, U.S. Department of Justice  
Mary Ann Habeeb, State of Indiana

From: Ronald E. Hutchens, P.E. 

Subject: Progress Report No. 187  
November 1 through November 30, 2007  
Remedial Design/Remedial Action  
Midco I and II Sites, Gary, Indiana

**PROGRESS TOWARD IMPLEMENTING THE CONSENT DECREE**

- Continued operation of the Midco I and II Sites' ground water extraction and treatment systems (GWETS) and injection of treated ground water.
- Received a letter, addressed to William Bow of LFR, from the United States Environmental Protection Agency (USEPA), dated November 1, 2007, regarding Midco I and Midco II issues discussed during meeting on 9/12/2007, and limited soil sampling report.
- Submitted the Quarterly Operations, Maintenance, Monitoring, and Closure (OMM&C) Progress Report No. 6 for the Midco I Soil Vapor Extraction (SVE) system to the USEPA on November 13, 2007.
- Submitted to the USEPA a letter, dated November 14, 2007, regarding Response to Comments, Midco I and Midco II Sites, Gary, Indiana.
- Continued operation of the Midco I SVE system.
- The Midco II Soil Vapor Extraction/Air Sparge (SVE/AS) system remains off-line pending repairs needed as a result of the June 21, 2007 site vandalism. Began repairs to the SVE/AS system on November 1, 2007.
- Collected the monthly effluent samples from the Midco I and II Sites' ground water treatment systems (GWTS) on November 14, 2007.

## MIDCO DEEP INJECTION WELL OPERATING CONDITIONS

- The daily maximum injection pressure, sight glass levels, and minimum differential between injection pressure and annulus pressure are summarized in Table 1. The operating flow rates at the Midco I and Midco II Sites' GWTS are presented on Figures 1 and 2, respectively. The daily maximum injection pressures and flow rates are presented on Figure 3. The daily sight glass levels are shown on Figure 4.
- Total volume of treated water injected:

|               | Midco I Site | Midco II Site | Deep Well Site |
|---------------|--------------|---------------|----------------|
| November      | 1,235,039    | 2,184,361     | 3,419,400      |
| Year-to-Date  | 13,404,187   | 22,165,713    | 35,569,900     |
| Total-to-Date | 130,465,276  | 189,159,124   | 319,624,400    |

- Annulus system fluid removals - None
- Annulus system fluid additions - None
- Noncompliance occurrences - None

## SYSTEM SHUTDOWNS

- Details of the Midco I and Midco II Sites' non-GWETS-related shutdowns, and the scheduled and non-scheduled GWETS-related shutdowns are summarized in Table 2.
- The Midco I Site had no non-GWETS-related shutdowns. The Midco II Site had one non-GWETS-related shutdown. A power failure occurred on November 13, 2007 at 4:03 a.m. for 187 minutes.

## SAMPLING AND TEST RESULTS

- The analytical results for the quarterly effluent samples collected on September 20, 2007 at the Midco I and II Sites, were received from the data validator on November 16, 2007. The validated analytical results are presented in Tables 3 through 10. The effluent samples met the required Maximum Allowable Concentrations (MACs).

## PLANS AND PROCEDURES COMPLETED UNDER THE RD/RA PROJECT PLAN

- None during this reporting period.

## ACTIVITIES TO BE CONDUCTED DURING DECEMBER 2007

- Continue operation of the Midco I and II Sites' GWETS and injection of treated ground water.
- Continue operation of the Midco I SVE system.
- Complete repairs to the Midco II SVE/AS system and begin restart procedures.

RECEIVED

JAN 11 2008

UIC BRANCH  
EPA REGION 5

January 8, 2008

**MEMORANDUM**

To: Service List (attached)  
USEPA, Underground Injection Control Branch (WU-16J)  
Alan Tenenbaum, U.S. Department of Justice  
Mary Ann Habeeb, State of Indiana

From: Ronald E. Hutchens, P.E. 

Subject: Progress Report No. 188  
December 1 through December 31, 2007  
Remedial Design/Remedial Action  
Midco I and II Sites, Gary, Indiana

**PROGRESS TOWARD IMPLEMENTING THE CONSENT DECREE**

- Continued operation of the Midco I and II Sites' ground water extraction and treatment systems (GWETS) and injection of treated ground water.
- Received email correspondence from Richard Boice, United States Environmental Protection Agency (USEPA) to ENVIRON International Corporation (ENVIRON), dated December 5, 2007, with an attached email from Indiana Department of Environmental Management (IDEM) regarding the Midco response to comments letter that was submitted to the USEPA and IDEM in November 2007.
- Received email correspondence from Richard Boice, USEPA to ENVIRON, dated December 13, 2007, with an attached letter from IDEM regarding the Midco II Quarterly Report No. 6.
- Continued operation of the Midco I soil vapor extraction (SVE) system.
- Completed repairs to the Midco II Soil Vapor Extraction/Air Sparge (SVE/AS) and restarted the system.
- Collected the quarterly influent and effluent samples from the Midco I and II Sites' ground water treatment systems (GWTS) on December 5, 2007.

### MIDCO DEEP INJECTION WELL OPERATING CONDITIONS

- The daily maximum injection pressure, sight glass levels, and minimum differential between injection pressure and annulus pressure are summarized in Table 1. The operating flow rates at the Midco I and Midco II Sites' GWTS are presented on Figures 1 and 2, respectively. The daily maximum injection pressures and flow rates are presented on Figure 3. The daily sight glass levels are shown on Figure 4.
- Total volume of treated water injected:

|               | Midco I Site | Midco II Site | Deep Well Site |
|---------------|--------------|---------------|----------------|
| December      | 1,181,609    | 1,938,091     | 3,119,700      |
| Year-to-Date  | 14,585,796   | 24,103,804    | 38,689,600     |
| Total-to-Date | 131,646,885  | 191,097,215   | 322,744,100    |

- Annulus system fluid removals - None
- Annulus system fluid additions - None
- Noncompliance occurrences - None

### SYSTEM SHUTDOWNS

- Details of the Midco I and Midco II Sites' non-GWETS-related shutdowns, and the scheduled and non-scheduled GWETS-related shutdowns are summarized in Table 2.
- The Midco I Site had two non-GWETS-related shutdowns. Power failures occurred on December 16 at 7:20 a.m. for 90 minutes and on December 23, 2007 at 3:10 a.m. for 4,619 minutes. The Midco II Site had four non-GWETS-related shutdowns. Power failures occurred on December 4 at 8:34 a.m. for 187 minutes, on December 16 at 7:20 a.m. for 130 minutes, on December 18 at 6:45 p.m. for 845 minutes, and on December 23, 2007 at 3:10 a.m. for 1,840 minutes.

### SAMPLING AND TEST RESULTS

- Analytical results from the data validator were received on December 21, 2007. The analytical results for the monthly effluent samples collected on October 25 and November 14, 2007 at the Midco I and II Sites are presented in Tables 3 through 6. The effluent samples met the required Maximum Allowable Concentrations (MACs).

### PLANS AND PROCEDURES COMPLETED UNDER THE RD/RA PROJECT PLAN

- None during this reporting period.